

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)



REC'D 28 DEC 2004

WIPO

Applicant's or agent's file reference P04P9004PCT	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. <b>PCT/KR2004/002299</b>	International filing date(day/month/year) <b>09 SEPTEMBER 2004 (09.09.2004)</b>	Priority date (day/month/year) 09 SEPTEMBER 2003 (09.09.2003)
International Patent Classification (IPC) or national classification and IPC  <b>IPC7 G06K 9/00</b>		
Applicant  <b>JIRIS CO., LTD. et al</b>		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising:
- a. ☒ (sent to the applicant and to the International Bureau) a total of 20 sheets, as follows:
- ☒ sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
- ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
- b. ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) \_\_\_\_\_, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items:
- ☒ Box No. I Basis of the report
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

Date of submission of the demand  <b>08 JULY 2005 (08.07.2005)</b>	Date of completion of this report  12 DECEMBER 2005 (12.12.2005)
Name and mailing address of the IPEA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer  PARK, Sung Ho  Telephone No. 82-42-481-5724 

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2004/002299

## Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☒ This report is based on translations from the original language into the following language English, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b))
- ☒ publication of the international application (under Rule 12.4)
- ☐ international preliminary examination (under Rules 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages \_\_\_\_\_ as originally filed/furnished
- pages\* 1 - 15 received by this Authority on Jul.8, 2005
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the claims:
- pages \_\_\_\_\_ as originally filed/furnished
- pages\* \_\_\_\_\_ as amended (together with any statement) under Article 19
- pages\* 16 - 20 received by this Authority on Jul.8, 2005
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the drawings:
- pages 1/3 - 3/3 as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ the sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2004/002299

## Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

Novelty (N)	Claims	1 - 21	YES
	Claims	None	NO
Inventive step (IS)	Claims	5, 7 - 10, 16, 18	YES
	Claims	1 - 4, 6, 11 - 15, 17, 19 - 21	NO
Industrial applicability (IA)	Claims	1 - 21	YES
	Claims	None	NO

### 2. Citations and explanations (Rule 70.7)

#### 1) Inventive Step

The following documents have been considered for the purpose of this report:

D1= JP 2000-207536 (28 July 2000)

D2= KR 2000-010053 (5 February 2000)

The present invention relates to a photographing device with an iris pattern comprising a digital camera, an LED lamp, a power supply device, and a lens. This photographing device has such characteristics that power is supplied by being connected to a computer, the LED lamp is installed at both sides of the camera lens to control the light and luminosity, and a control unit for controlling the focus range can be extended or retracted in a horizontal direction.

D1 relates to an iris photographing device, wherein a cable is connected to a recognition device so that the image of an iris taken by the iris photographing device may be displayed on a monitor. This device is characterized by controlling the power of a luminous element, thereby controlling the light. But the technical features of the claims 1-4, 6, 11-15, 17, 19-21 of the present invention are similar to those shown at [0023]-[0028], [0031]-[0039], [0064], [0078]-[0080], fig.1-fig.3, and fig.9 of the prior document D1.

D2 relates to an iris recognition system, characterized by a telescopic-type thin zoom lens for photographing an iris. In this prior document D2, the configurations of adjustable focusing lens are suggested by means of the zoom lens.

Thus, the mentioned technical features of the present invention, such as focal length and external illumination blocking device, are considered to be easy configuration to a person skilled in the art.

\*\*\* To be continued at the page of the supplemental box \*\*\*

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2004/002299

**Supplemental Box**

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

\*\*\* Continuation of the box V \*\*\*

Accordingly, it would be obvious to a person skilled in the art to make claims 1-4, 6, 11-15, 17, and 19-21 of the present invention, easily, by combining the technical features of D1 and the teachings of D2 above,

Consequently, the characterizing features of the claims 1-4, 6, 11-15, 17, and 19-21 of the present invention are considered not to involve an inventive step under PCT Article 33(3).

**2) Novelty and Industrial Applicability.**

The claims 1-21 of the present invention are considered to be novel and industrially applicable under PCT Article 33(2) and 33(4).